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In re Patent Application of:

RAO ET AL.

Serial No. 10/728,189

Filed: DECEMBER 3, 2003

In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

1. (Currently amended) In a push-to-talk device having two processors where one of said processors is a radio chip and one of said processors is a microprocessor, a method of synchronizing said microprocessor and said radio chip comprising ~~the steps of:~~

checking ~~[[the]]~~ a status of a radio push-to-talk key on said radio chip when a user push-to-talk button is turned on or off on said microprocessor;

if said user push-to-talk button is on and said radio push-to-talk key is off, performing ~~the steps of:~~

sending a command to said radio chip to turn on said radio push-to-talk key; and

waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is on, remaining in this synchronized state, otherwise repeating said sending and waiting steps;

if said user button is off and said radio push-to-talk key is on, performing ~~the steps of:~~

sending a command to said radio chip to turn off said radio push-to-talk key; and

waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is off,

In re Patent Application of:

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remaining in this synchronized state, otherwise repeating said sending and waiting steps;

if said user push-to-talk button is off and said radio push-to-talk key is off, remaining in this synchronized state; and

if said user push-to-talk button is on and said radio push-to-talk key is on, remaining in this synchronized state.

2. (Currently amended) The method of claim 1, further comprising ~~the steps of~~:

receiving an unsolicited message indicating whether said radio push-to-talk key is on or off;

if said user push-to-talk button is on and said unsolicited message indicates that said radio push-to-talk key is off, performing ~~the steps of~~:

sending a command to said radio chip to turn on said radio push-to-talk key;

waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is on, remaining in this synchronized state, otherwise repeating said sending and waiting steps;

if said user push-to-talk button is off and said unsolicited message indicates that said radio push-to-talk key is on, performing ~~the steps of~~:

sending a command to said radio chip to turn off said radio push-to-talk key;

In re Patent Application of:
RAO ET AL.
Serial No. 10/728,189
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waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is off, remaining in this synchronized state, otherwise repeating said sending and waiting steps;

if said user push-to-talk button is on and said unsolicited message indicates that said radio push-to-talk key is on, remaining in this synchronized state; and

if said user push-to-talk button is off and said unsolicited message indicates that said radio push-to-talk key is off, remaining in this synchronized state.

3. (Original) The method of claim 1, wherein said method is performed each time said user push-to-talk button changes from on to off, or from off to on.

4. (Currently amended) A push-to-talk device comprising:

a radio chip having a digital signal processor and a radio ~~push-to-talk~~ push-to-talk key;

a receiver interacting with said radio chip;

a transmitter interacting with said radio chip;

a user input; [[and]]

a user output [[,]] ;

a ~~push-to-talk~~ push-to-talk button;

a microprocessor, said microprocessor interacting with said ~~push-to-talk~~ push-to-talk button and said radio chip, said

In re Patent Application of:
RAO ET AL.
Serial No. 10/728,189
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microprocessor checking ~~[[the]]~~ a status of said push-to-talk button and ~~requests~~ requesting a status of said radio push-to-talk key when said ~~push-to-talk~~ push-to-talk button is turned on or off; and

means to synchronize said microprocessor and said radio chip, said means comparing said status of said radio push-to-talk key and said status of said ~~push-to-talk~~ push-to-talk button,

and if said user push-to-talk button is on and said radio push-to-talk key is off, sending a command to said radio chip to turn on said radio push-to-talk key; and waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is on, remaining in this synchronized state, otherwise repeating the sending and waiting steps,

and if said user button is off and said radio push-to-talk key is on, performing ~~the steps of~~: sending a command to said radio chip to turn off said radio push-to-talk key; and waiting for a response from said radio chip, and if said response indicates said radio push-to-talk key is off, remaining in this synchronized state, otherwise repeating said sending and waiting steps,

and if said user push-to-talk button is off and said radio push-to-talk key is off, remaining in this synchronized state;

In re Patent Application of:
RAO ET AL.
Serial No. 10/728,189
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and if said user push-to-talk button is on and
said radio push-to-talk key is on, remaining in this
synchronized state.